

## Tnp1 recognized target (TRT)

**A** TRT" (244bp)  
GGTACCGCCAGCATTCGAAAAAAACCACGCTAAGAAAATCAGAGTTAAAAA  
AATCAGAAAATTATCATTATTCCAAGACACATACAGTGTCTTTTTTTACAA  
AAAATAATACAACACAATATTAATTGTGTTGTATTAGGTGTTATAATA  
AATATAAATCTAGGGTTAACGCAACACAATTTATCGATAAAATAAAT  
ACTTTAGACGCAACACAATTTATAGACGCGGAGGAAATCAC

**B** TRT' (116bp)  
TAATACAACACAATATTAATTGTGTTGTATTAGGTGTTATAATAAATA  
TAAATCTAGGGTTAACGCAACACAATTTATCGATAAAATAAATACTTT  
TAGACGCAACACAATTTATAGACGCGGAGGAAATCAC

**C** TRT (32bp)  
TAATACAACACAATATTAATTGTGTTGTATT

FIG. 1A-C

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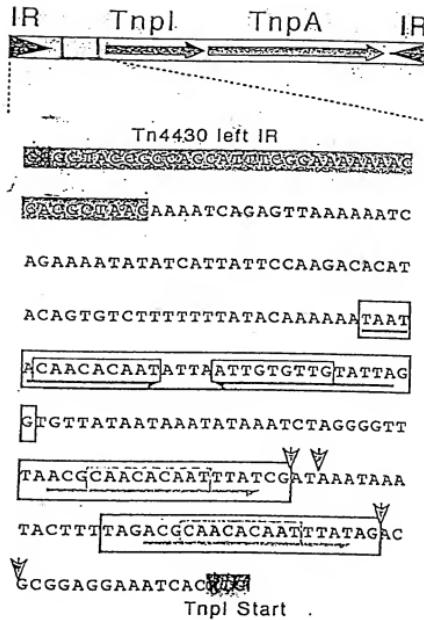


FIG. 2

000390-554568260

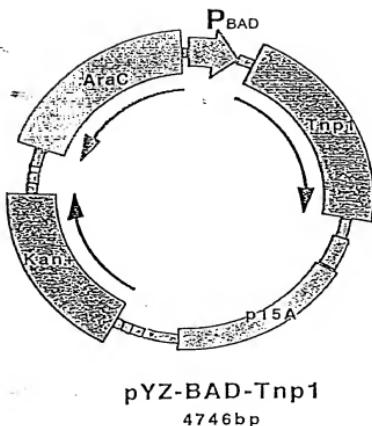
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1 ATG GAT GTT GCA AAA CAG TTT TCT TCT TAT CTT AAA CAA GAG AAT AAA ACC GAG AAC  
 1>Met Asp Val Ala Lys Glu Phe Ser Ser Tyr Leu Lys Glu Glu Asn Lys Thr Glu Asn  
 58 ACT GTT CAG GGA TAC ACA TCA GGT ATT AGA CAG TAC ATA AAA TGG TTT GAA GGT TCC  
 20>Thr Val Glu Gly Tyr Thr Ser Gly Ile Arg Glu Tyr Ile Lys Trp Phe Glu Glu Ser  
 115 TAT GAC AGA AAA TTA ACA AAA TTG TAC CGA CAA ATT ATC TTA GAG TAC ATT AGT TAT  
 39>Tyr Asp Arg Lys Leu Thr Lys Leu Tyr Arg Glu Asn Ile Leu Glu Tyr Ile Ser Tyr  
 172 TTA AAG AAT GTC AAA ATG TTG AAC GCC AAG TCC ATT AAC CAC AAG ATT AGT AGC CTT  
 58>Leu Lys Asn Val Lys Met Leu Asn Ala Lys Ser Ile Asn His Lys Ile Ser Ser Leu  
 229 GCT AAA TTT ATT GAA TTT CTA ATA CAG AAA GGA AGT CAA CAA GAT CAA GTC ATT TTA  
 77>Ala Lys Phe Asn Glu Phe Leu Ile Glu Lys Gly Ser Glu Glu Asp Glu Val Ile Leu  
 286 AAA ACA GAC ATG ATA AAG GGT CAA ACT GTC TAT GCT TCT CCA ACC CAA ATT GTT GAA  
 95>Lys Thr Asp Met Ile Lys Val Glu Thr Val Tyr Ala Ser Pro Thr Glu Ile Val Glu  
 343 TTA GAT GTC AAA AAG-TTT TTA CAA ACT GTG TTA CAG GAT ATT AAC AAA CGT ATT TAT  
 115>Leu Asp Val Lys Phe Leu Glu Ser Val Leu Glu Asp Asn Asn Lys Arg Asn Tyr  
 400 GCA ATT GCC ACT CTC CTA GCA TAT ACA GGA GTC CGT ATT TCA GAG GCA TTA TCT ATC  
 134>Ala Ile Ala Thr Leu Leu Ala Tyr Thr Gly Val Arg Ile Ser Glu Ala Leu Ser Ile  
 457 AAA ATG ATT GAC TTC ATT TTA CAG ACT GGG GAA TGT ATT ATT CGA AGT GGA AAA GGA  
 153>Lys Met Asn Asp Phe Asn Leu Glu Thr Gly Glu Cys Ile Ile Arg Ser Glu Lys Gly  
 514 CGT AAA CAA CGA ATT GTC TTA CTA ATT AGT AAG GTC CTT AGT GCT ATC AAA GAT TAT  
 172>Gly Lys Glu Arg Ile Val Leu Leu Asn Ser Lys Val Leu Ser Ala Ile Lys Asp Tyr  
 571 CTC ATC GAT CGA AAA ACA TAC AGT ACA GCA CAT GAA TCT CGG TAT CTT TTT ATT AGT  
 191>Leu Ile Asp Arg Lys Thr Tyr Ser Thr Ala His Glu Ser Pro Tyr Leu Phe Ile Ser  
 628 AAA AAG CGA GAA AAC CTC GAC CGT AGC GTC ATT CGT ATC ATT AAA TCA TAC AGC  
 210>Lys Lys Arg Glu Lys Leu Asp Arg Thr Val Val Asn Arg Ile Phe Lys Ser Tyr Ser  
 685 ATT GTT ATT ACT CCA CAC CAA TTA CGA CAC TTC TTC TGT AGG AAT GCA ATT GAA AAA  
 229>Asn Val Ile Thr Pro His Glu Leu Arg His Phe Phe Cys Thr Asn Ala Ile Glu Lys  
 742 GGA TTT AGC ATT CAT GAA GTT GCA ATT CAA GCT GGG CAC TCT AAC ATC CAT AGC ACA  
 248>Gly Phe Ser Ile His Glu Val Ala Asn Glu Ala Gly His Ser Asn Ile His Thr Thr  
 799 CTA CTT TAC ACA ATT CCA AAC CAA CTG CAG CTA AAA ATT AAA ATG GAG CTC TTA TAA  
 267>Leu Leu Tyr Thr Asn Pro Asn Glu Leu Glu Lys Asn Lys Met Glu Leu Leu \*\*\*

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TO0E907-SEH156860



**FIG. 4**

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(SHEET 5 OF 13)

A



B

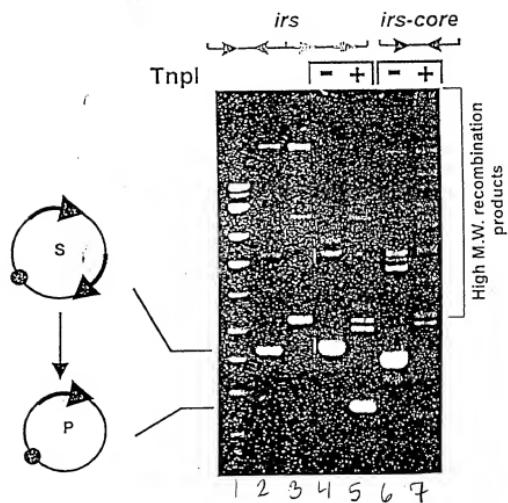


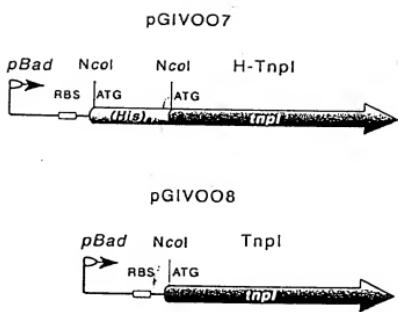
FIG. 5A-B

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100000-52150860

A



B

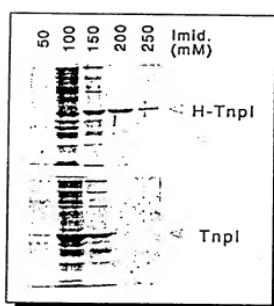
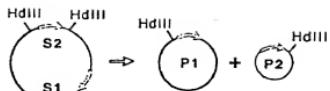


FIG. 6A-B

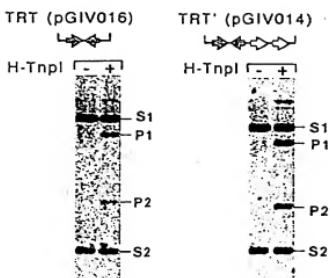
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A



B



C

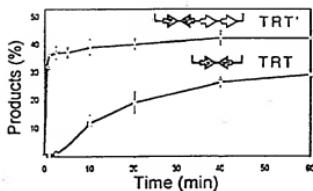


FIG. 7A-C

100000 - 50000 - 25000 - 10000 - 5000 - 2000 - 1000 - 500 - 200 - 100

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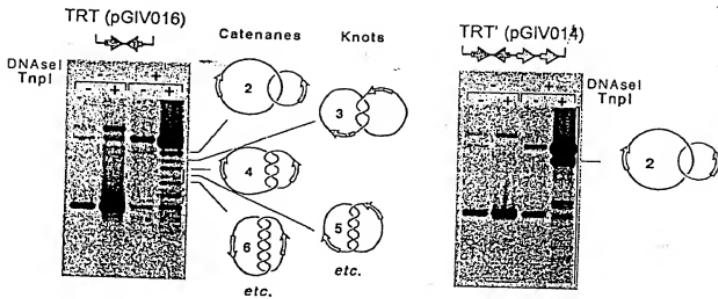


FIG. 8

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TO0090-56456860

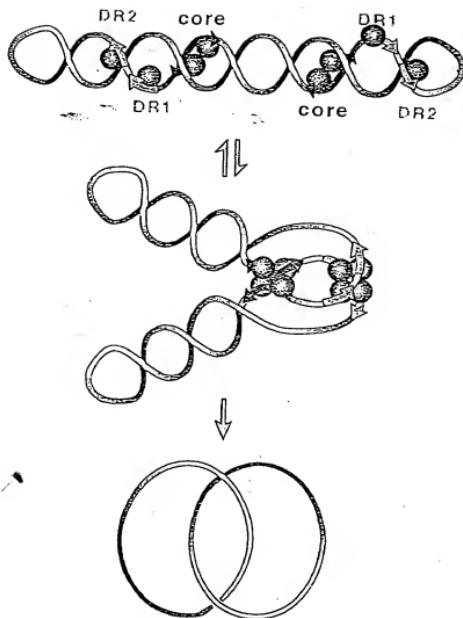


FIG. 9

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TOOE90-SET56860

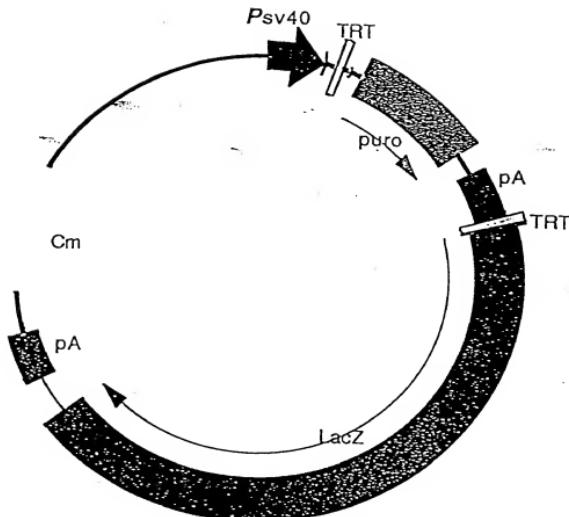


FIG. 10

T00E90155456860

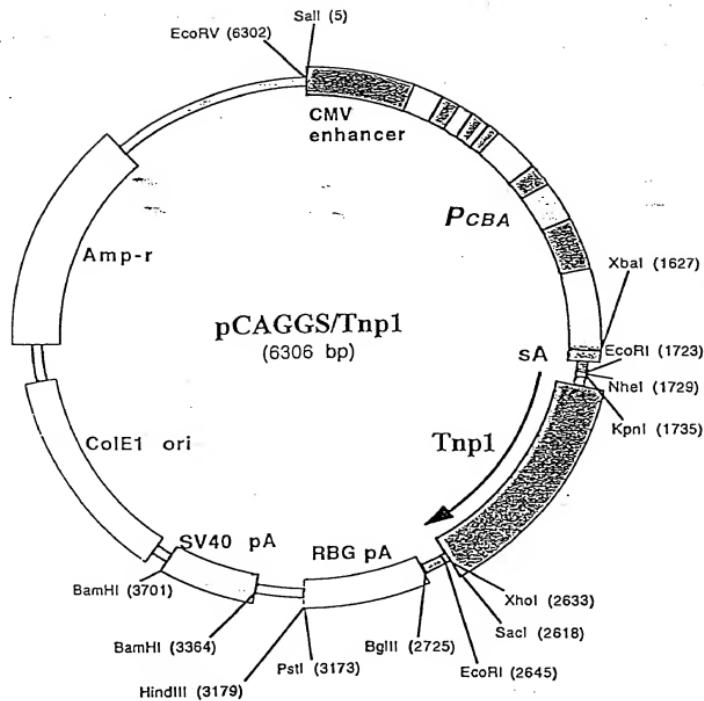


FIG. 11

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200200-0000000000

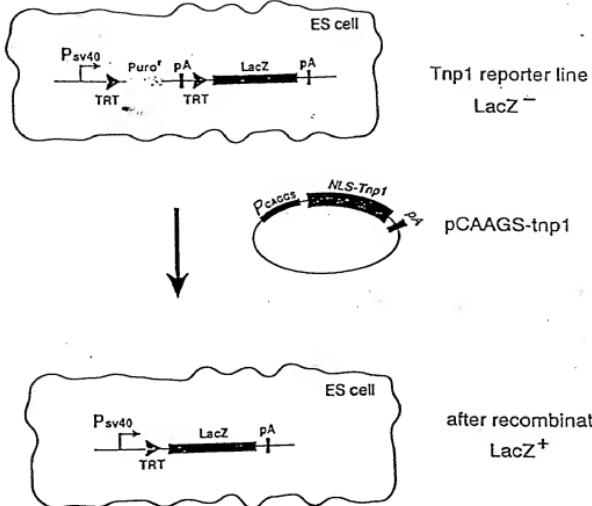


FIG. 12

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Tnp1 reporter line  
alone

Tnp1 reporter line  
with pCAGGS-tnp1-A

Tnp1 reporter line  
with pCAGGS-tnp1-B

FOODS0055646860

FIG. 13